

Day	Time	Ratu Makutu 1	Ratu Makutu 2	Pavilion 1	Pavilion 2	
Monday 26 August	9:00 am - 10:30 am	KR Conventicle Day 1 Tutorial: Iterated Belief Change	2019 Pacific Rim Knowledge Acquisition Workshop (PKAW 2019) Day 1	Applied Data Science Tutorial Day 1		
	11:00 am - 12:30 pm					
	1:30 pm - 3:00 pm	KR Conventicle Day 1 Workshop: Foundations of Belief Change I				
	3:30 pm - 5:00 pm					
Tuesday 27 August	9:00 am - 10:30 am	KR Conventicle Day 2 Tutorial: Cognitive Logics	2019 Pacific Rim Knowledge Acquisition Workshop (PKAW 2019) Day 2	Applied Data Science Tutorial Day 2	Tutorial: Referring Expressions in Knowledge Representation Systems	
	11:00 am - 12:30 pm					
	1:30 pm - 3:00 pm	KR Conventicle Day 2 Workshop: Foundations of Belief Change II			Tutorial: Machine Learning and Big Data Problems in Bioinformatics	
	3:30 pm - 5:00 pm					
	5:30 pm onwards					Welcome Reception (Marau Village)
Wednesday 28 August	8:25 am - 9:30 am	Opening Ceremony <i>All delegates must be seated by 8:25 am</i>				
	9:30 am - 10:30 am	Keynote Address: Nobel Turing Challenge: Creating the Engine for Scientific Discovery Prof. Hiroaki Kitano				
	11:00 am - 12:30 pm	PRICAI Concurrent Session 1	PRICAI Concurrent Session 2			PRICAI Concurrent Session 3
	1:30 pm - 3:00 pm	PRICAI Concurrent Session 4	PRICAI Concurrent Session 5			PRICAI Concurrent Session 6
	3:30 pm - 5:00 pm	PRICAI Concurrent Session 7	PRICAI Concurrent Session 8			PRICAI Concurrent Session 9

Day	Time	Ratu Makutu 1	Ratu Makutu 2	Pavilion 1	Pavilion 2
Thursday 29 August	8:30 am - 9:30 am	Keynote Address: <i>Explainable AI: What, Why and How</i> Prof. Mary-Anne Williams			
	9:30 am - 10:30 am	Keynote Address: <i>AI for Clinical Decision Support in Mental Healthcare</i> Prof. Grigoris Antoniou			
	11:00 am - 12:30 pm	PRICAI Concurrent Session 10	PRICAI Concurrent Session 11	PRICAI Concurrent Session 12	PRICAI Concurrent Session 13
	1:30 pm - 3:00 pm	PRICAI Concurrent Session 14	PRICAI Concurrent Session 15	PRICAI Concurrent Session 16	PRICAI Concurrent Session 17
	3:30 pm - 5:00 pm	PRICAI Concurrent Session 18	PRICAI Concurrent Session 19	PRICAI Concurrent Session 20	PRICAI Concurrent Session 21
	7:00 pm onwards	Conference Dinner (Ratu Makutu 1 & 2)			
Friday 30 August	9:30 am - 10:30 am	Keynote Address: <i>Cognitive AI – AI as Perception-Action-Cognition Systems</i> Prof. Byoung-Tak Zhang			
	11:00 am - 12:30 pm	PRICAI Concurrent Session 22	PRICAI Concurrent Session 23	PRICAI Concurrent Session 24	PRICAI Concurrent Session 25
	1:30 pm - 3:00 pm	PRICAI Concurrent Session 26	PRICAI Concurrent Session 27	PRICAI Concurrent Session 28	PRICAI Concurrent Session 29
	3:30 pm - 5:00 pm	PRICAI Concurrent Session 30	PRICAI Concurrent Session 31	PRICAI Concurrent Session 32	PRICAI Concurrent Session 33



Concurrent Session 1 Ratu Makutu 1	Theme: Traffic and Vehicular Automation Time: 11:00am - 12:30pm Session Chair: Mark Dras
	Title: Optimizing DNN architectures for high speed autonomous navigation in GPS denied environments on edge devices Authors: Prafull Prakash, Chaitanya Murti, Saketha Nath and Chiranjib Bhattacharyya
	Title: Social Cost Guarantees in Smart Route Guidance Authors: Paolo Serafino, Carmine Ventre, Long Tran-Thanh, Jie Zhang, Bo An and Nick Jennings
	Title (SHORT): Clique-Based Traffic Control Strategy Using Vehicle-To-Vehicle Communication Authors: Lauren Gee and Mark Reynolds
	Title: Deep Global-Relative Networks for End-to-End 6-DoF Visual Localization and Odometry Authors: Yimin Lin, Zhaoxiang Liu, Jianfeng Huang, Chaopeng Wang, Guoguang Du, Jinqiang Bai and Shiguo Lian

Concurrent Session 2 Ratu Makutu 2	Theme: Biometrics and Bioinformatics - (1) Time: 11:00am - 12:30pm Session Chair: MA Hakim Newton
	Title (SHORT): A Light-weight Context-Aware Self-Attention model for Skin Lesion Segmentation Authors: Dongliang Ma, Hao Wu, Jun Sun, Chunjing Yu and Li Liu
	Title: Primate Face Identification in the Wild Authors: Ankita Shukla, Gullal Singh Cheema, Saket Anand, Qamar Qureshi and Yadvendradev Jhala
	Title: Evaluation of Human Body Detection using Deep Neural Networks with Highly Compressed Videos for UAV Search and Rescue Missions Authors: Piotr Rudol and Patrick Doherty
	Title: A Deep Learning Approach for Dog Face Verification and Recognition Authors: Guillaume Mougeot, Dewei Li and Shuai Jia
	Title (SHORT): Development of an Assistive Tongue Drive System for Disabled Individuals Authors: Rahul Kumar, Krishneel Sharma, Mansour Assaf, Bibhya Sharma and Som Naidu

Concurrent Session 3 Pavilion 1	Theme: Learning Time: 11:00am - 12:30pm Session Chair: Kourosh Neshatian
	Title: Explaining Black-box Machine Learning models Using Interpretable Surrogates Authors: Deepthi Kuttichira, Sunil Gupta, Cheng Li, Santu Rana and Svetha Venkatesh
	Title: Classifier Learning from Imbalanced Corpus by Autoencoded Over-Sampling Authors: Eunkyung Park, Raymond Wong and Victor Chu
	Title: Semisupervised Cross-Media Retrieval by Distance-Preserving Correlation Learning and Multi-modal Manifold Regularization Authors: Ting Wang, Hong Zhang, Bo Li and Xin Xu
	Title: Towards Understanding Classification and Identification Authors: Mattia Fumagalli, Gábor Bella and Fausto Giunchiglia
	Title: What Prize is Right? How to Learn the Optimal Structure for Crowdsourcing Contests Authors: Nhat Truong, Sebastian Stein, Long Tran-Thanh and Nicholas R. Jennings
	Title: Simple is Better: A Global Semantic Consistency Based End-to-End Framework for Effective Zero-Shot Learning Authors: Fan Wu, Shuigeng Zhou, Kang Wang, Yi Xu, Jihong Guan and Jun Huan

Concurrent Session 4 Ratu Makutu 1	Theme: Complex Systems (1) Time: 1:30 pm - 3:00 pm Session Chair: Nghia Pham
	Title: Sparse Ordinal Regression via Factorization Machines Authors: Weijian Ni, Tong Liu and Qingtian Zeng
	Title: An Approach with Low Redundancy to Network Feature Selection Based on Multiple Order Proximity Authors: Hengliang Wang, Yuan Li, Chenfei Zhao and Kedian Mu
	Title: Distance dependent Maximum Margin Dirichlet Process Mixture Authors: Quan Nguyen, Mikko Lauri and Simone Frintrop
	Title: Exploiting Setup Time Constraints in Local Search for Flowshop Scheduling Authors: Vahid Riahi, Ma Hakim Newton and Abdul Sattar
	Title: Convex Hull Approximation of Nearly Optimal Lasso Solutions Authors: Satoshi Hara and Takanori Maehara

Concurrent Session 5 Ratu Makutu 2	Theme: Biometrics and Bioinformatics (2) Time: 1:30pm - 3:00pm Session Chair: Kourosh Neshatian
	Title: Clustering of Small-Sample Single-Cell RNA-Seq data via Feature Clustering and Selection Authors: Edwin Vans, Alok Sharma, Ashwini Patil, Daichi Shigemizu and Tatsuhiko Tsunoda
	Title: Stratifying risk of coronary artery disease using discriminative knowledge-guided medical concept pairings from clinical notes Authors: Mahdi Abdollahi, Xiaoying Gao, Yi Mei, Shameek Ghosh and Jinyan Li
	Title: Improving the Results of De novo Peptide Identification via Tandem Mass Spectrometry Using a Genetic Programming-based Scoring Function for Re-ranking Peptide-Spectrum Matches. Authors: Samaneh Azari, Bing Xue, Mengjie Zhang and Lifeng Peng
	Title: Computational prediction of lysine phosphorylation sites in prokaryotic proteins using position specific scoring matrix into bigram for feature extraction Authors: Vineet Singh, Alok Sharma, Abel Chandra, Abdollah Dehzangi, Daichi Shigemizu and Tatsuhiko Tsunoda

Concurrent Session 6 Pavilion 1	Theme: Knowledge Representation and Reasoning (1) Time: 1:30pm - 3:00pm Session Chair: David Toman
	Title: Semantics of Opinion Transitions in Multi-Agent Forum Argumentation Authors: Ryuta Arisaka and Takayuki Ito
	Title: Adaptive Incentive Allocation for Influence-aware Proactive Recommendation Authors: Shiqing Wu, Quan Bai and Byeong Ho Kang
	Title: A Compromising Strategy Based on Constraint Relaxation for Automated Negotiating Agents Authors: Shun Okuhara and Takayuki Ito
	Title: Breaking Deadlocks in Multi-Agent Reinforcement Learning with Sparse Interaction Authors: Toshihiro Kujirai and Takayoshi Yokota
	Title: Learning Individual and Group Preferences in Abstract Argumentation Authors: Nguyen Duy Hung and Van-Nam Huynh
Title: Epistemic Argumentation Framework Authors: Chiaki Sakama and Son Tran	

Concurrent Session 7 Ratu Makutu 1	Theme: Social and Information Networks (2) Time: 3:30pm - 5:00pm Session Chair: Ahmed Moustafa
	Title: Short-Term Memory Variational Autoencoder for Collaborative Filtering Authors: Hangbin Zhang, Raymond Wong and Victor Chu
	Title: Contourlet Transform Based Seismic Signal Denoising via Multi-scale Information Distillation Network Authors: Yu Sang, Jinguang Sun, Simiao Wang, Xiangfu Meng and Heng Qi
	Title: Network Embedding by Resource-Allocation for Link Prediction Authors: Xinghao Song, Chunming Yang, Hui Zhang, Xujian Zhao and Bo Li
	Title: Network alignment by representation learning on structure and attribute Authors: Thanh Trung Huynh, Van Vinh Tong, Chi Thang Duong, Thang Huynh Quyet, Quoc Viet Hung Nguyen and Abdul Sattar
	Title: Rectified Encoder Network for High-Dimensional Imbalanced Learning Authors: Tao Zheng, Wei-Jie Chen, Ivor Tsang and Xin Yao
	Title: Time-Efficient Network Monitoring Through Confined Search and Adaptive Evaluation Authors: Qifu Hu, Angsheng Li, Jiamou Liu and Jun Liu

Concurrent Session 8 Ratu Makutu 2	Theme: Perception Handling Time: 3:30pm - 5:00pm Session Chair: Nghia Pham
	Title: Emotion Recognition From Music Enhanced By domain Knowledge Authors: Yangyang Shu and Guandong Xu
	Title (SHORT): A Novel Genetic Programming Algorithm with Knowledge Transfer for Uncertain Capacitated Arc Routing Authors: Mazhar Ansari Ardeh, Yi Mei and Mengjie Zhang
	Title: Texture Deformation Based Generative Adversarial Networks for Multi-domain Face Editing Authors: Wenting Chen, Xinpeng Xie, Xi Jia and Linlin Shen
	Title: Stacked Mixed-Scale Networks for Human Pose Estimation Authors: Xuan Wang, Zhi Li, Yanan Chen, Peilin Jiang and Fei Wang
	Title: Discriminative Deep Attention-aware Hashing for Face Image Retrieval Authors: Zhi Xiong, Bo Li, Xiaoyan Gu, Wen Gu and Weiping Wang
	Title: Adversarial Feature Distillation for Facial Expression Recognition Authors: Mengchao Bai, Xi Jia, Weicheng Xie and Linlin Shen
Title: Effective Optical Braille Recognition Based on Two-stage Learning for Double-sided Braille Image Authors: Renqiang Li, Hong Liu, Xiangdong Wang and Yueliang Qian	

Concurrent Session 9 Pavillon 1	Theme: Applied Intelligence Time: 3:30pm - 5:00pm Session Chair: MAHakim Newton
	Title: Incentivizing Long-term Engagement Under Limited Budget Authors: Shiqing Wu and Quan Bai
	Title: Multi-label Recognition of Paintings with Cascaded Attention Network Authors: Yue Li, Tingting Wang, Guangwei Huang and Xiaojun Tang
	Title: MIDCN: A Multiple Instance Deep Convolutional Network for Image Classification Authors: Kelei He, Huo Jing, Yinghuan Shi, Yang Gao and Dinggang Shen
	Title: Towards Generating Stylized Image Captions via Adversarial Training Authors: Omid Mohamad Nezami, Mark Dras, Stephen Wan, Cecile Paris and Len Hamey
	Title: Multiple Knowledge Transfer for Cross Domain Recommendation Authors: Quan Do, Sunny Verma, Fang Chen and Wei Liu
Title: Joint Extraction of Opinion Targets and Opinion Expressions Based on Cascaded Model Authors: Quanchao Liu	

Concurrent Session 10 Ratu Makutu 1	Theme: Robotics, IOT and Traffic Automation Time: 11:00pm - 12:30pm Session Chair: Dongmo Zhang
	Title: Unsupervised Data Augmentation for Improving Traffic Sign Recognition Authors: Cao Sisi, Zheng Wenbo and Mo Shaocong
	Title: Detection of Anomalous Traffic Patterns and Insight Analysis from Bus Trajectory Data Authors: Xiaocai Zhang, Xuan Zhang, Sunny Verma, Yuansheng Liu, Michael Blumenstein and Jinyan Li
	Title: Knowledge-Based Robotic Agent as a Game Player Authors: Misbah Javaid, Vladimir Estivill-Castro and Rene Hexel
	Title: Urban Traffic Control using Distributed Multi-Agent Deep Reinforcement Learning Authors: Shunya Kitagawa, Ahmed Moustafa and Takayuki Ito
	Title: Limited Receptive Field Network for Real-time Driving Scene Semantic Segmentation Authors: Dehui Li, Zhiguo Cao, Ke Xian, Jiaqi Yang, Xinyuan Qi and Wei Li
	Title: Motion RFCN: Motion Segmentation using Consecutive Dense Depth Maps Authors: Yiling Liu and Hesheng Wang

Concurrent Session 11 Ratu Makutu 2	Theme: Learning Models Time: 11:00pm - 12:30pm Session Chair: Yi Guo
	Title: Local Uncorrelated Subspace Learning Authors: Bo Li, Xin-Hao Wang, Yong-Kang Peng, Li Chen and Sheng Ding
	Title: DLENSO: A Deep Learning ENSO Forecasting Model Authors: Dandan He, Pengfei Lin, Hailong Liu, Lei Ding and Jinrong Jiang
	Title: A Novel Thought of Pruning Algorithms: Pruning Based on Less Training Authors: Li Yue, Zhao Weibin and Shang Lin
	Title: Comparison of Embedded and Wrapper Approaches for Feature Selection in Support Vector Machines Authors: Shinichi Yamada and Kourosh Neshatian
	Title (SHORT): A Reinforcement Learning Approach to Gaining Social Capital with Partial Observation Authors: He Zhao, Hongyi Su, Yang Chen, Jiamou Liu, Hong Zheng and Bo Yan

Concurrent Session 12 Pavilion 1	Theme: Knowledge Representation and Reasoning (2) Time: 11:00pm - 12:30pm Session Chair: Jake Chandler
	Title: Identity Resolution in Ontology Based Data Access to Structured Data Sources Authors: David Toman and Grant Weddell
	Title: Belief Change Properties of Forgetting Operations over Ranking Functions Authors: Gabriele Kern-Isberner, Tanja Bock, Kai Sauerwald and Christoph Beierle
	Title: Predictive Systems: The Game Rock-Paper-Scissors as an Example Authors: Mathias Zink, Paulina Friemann and Marco Ragni
	Title: Rational Inference Patterns Authors: Lars-Phillip Spiegel, Gabriele Kern-Isberner and Marco Ragni
	Title: SPARQL Queries over Ontologies under the Fixed-Domain Semantics Authors: Sebastian Rudolph, Lukas Schweizer and Yao Zhihao
Title: Strategy-proofness, Envy-freeness and Pareto efficiency in Online Fair Division with Additive Utilities Authors: Martin Aleksandrov and Toby Walsh	

Concurrent Session 13 Pavilion 2	Theme: Industry Track Time: 11:00pm - 12:30pm Session Chair: Nghia Pham
	Title: Deep Learning for Intelligent Train Driving with Augmented BLSTM Authors: Jin Huang, Siguang Huang, Yao Liu, Yukun Hu and Yu Jiang
	Title: Supervised Clinical Abbreviations Detection and Normalisation Approach Authors: Xiaolong Huang, Edmond Zhang and Yun Sing Koh
	Title: Audio-Based Music Classification with DenseNet And Data Augmentation Authors: Wenhao Bian, Jie Wang, Bojin Zhuang, Jiankui Yang, Shaojun Wang and Jing Xiao
	Title: Machine Learning Based Cross-Border E-commerce Commodity Customs Product Name Recognition Algorithm Authors: Jing Ma, Xiaofeng Li, Chi Li, Bo He and Xiaoyu Guo
	Title: A Syllable-Structured, Contextually-Based Conditionally Generation of Chinese Lyrics Authors: Xu Lu, Jie Wang, Bojin Zhuang, Shaojun Wang and Jing Xiao
Title: Duo attention with deep learning on tomato yield prediction and factor interpretation Authors: Sandya De Alwis, Yishuo Zhang, Myung Na and Gang Li	

Concurrent Session 14 Ratu Makutu 1	Theme: Prediction and other Applications Time: 1:30pm - 3:00pm Session Chair: MGM Khan
	Title: Router Node Placement in Wireless Mesh Networks for Emergency Rescue Scenarios Authors: Mariusz Wzorek, Cyrille Berger and Patrick Doherty
	Title: A Truthful Online Mechanism for Resource Allocation in Fog Computing Authors: Fan Bi, Sebastian Stein, Enrico Gerding, Nick Jennings and Thomas La Porta
	Title: Towards Effective Data Augmentation via Unbiased GAN Utilization Authors: Sunny Verma, Chen Wang, Liming Zhu and Wei Liu
	Title: Weakly Supervised Joint Entity-Sentiment-Issue Model for Political Opinion Mining Authors: Sandeepa Kannangara and Wayne Wobcke
	Title: Building Adversarial Defense with Non-invertible Data Transformation Authors: Wenbo Guo, Dongliang Mu, Ligeng Chen and Jinxuan Gai
	Title: Robust Sentence Classification by Solving Out-of-Vocabulary Problem with Auxiliary Word Predictor Authors: Sang-Seok Park, Yunseok Noh, Seyoung Park and Seong-Bae Park
Title: Forecasting of Currency Exchange Rate using Artificial Neural Network: a case study of Solomon Island Dollar Authors: James Kimata, MGM Khan, Anuraganand Sharma, Mahmood Rashid and Tokaua Tekabu	

Concurrent Session 15 Ratu Makutu 2	Theme: Learning Models (1) Time: 1:30pm - 3:00pm Session Chair: Mahmood Rashid
	Title: Transfer Learning for Financial Time Series Forecasting Authors: Qi-Qiao He, Patrick Cheong-lao Pang and Yain-Whar Si
	Title: 3DTI-Net: Learn 3D Transform-invariant Feature Using Hierarchical Graph CNN Authors: Guanghua Pan, Peilin Liu, Jun Wang, Rendong Ying and Fei Wen
	Title: Transfer Learning for Driving Pattern Recognition Authors: Maoying Li, Liu Yang, Qinghua Hu, Chenyang Shen and Zhibin Du
Title: Towards Meta-learning of Deep Architectures for Efficient Domain Adaptation Authors: Abbas Raza Ali, Marcin Budka and Bogdan Gabrys	

Concurrent Session 16 Pavilion 1	Theme: Knowledge and Cognition Time: 1:30pm - 3:00pm Session Chair: Marco Ragni
	Title: Knowledge Enhanced Neural Networks Authors: Alessandro Daniele and Luciano Serafini
	Title: Mastering Uncertainty: Towards Robust Multistage Optimization with Decision Dependent Uncertainty Authors: Michael Hartisch and Ulf Lorenz
	Title: A Cognitive Model of Human Bias in Matching Authors: Rakefet Ackerman, Avigdor Gal, Tomer Sagi and Roei Shraga
	Title: Encoding Epistemic Strategies for General Game Playing Authors: Shawn Manuel, David Rajaratnam and Michael Thielscher
Title: Non-zero-sum Stackelberg Budget Allocation Game for Computational Advertising Authors: Daisuke Hatano, Yuko Kuroki, Yasushi Kawase, Hanna Sumita, Naonori Kakimura and Ken-Ichi Kawarabayashi	
Title: Harnessing Higher-Order (Meta-)Logic to Represent and Reason with Complex Ethical Theories Authors: David Fuenmayor and Christoph Benzmüller	

Concurrent Session 17 Pavilion 2	Theme: Industry Track Time: 1:30pm - 3:00pm Session Chair: Sankalp Khanna
	Title: Fast Valuation of Large Portfolios of Variable Annuities via Transfer Learning Authors: Xiaojuan Cheng, Wei Luo, Guojun Gan and Gang Li
	Title (SHORT): A Hierarchical Attention Based Seq2seq Model for Chinese Lyrics Generation Authors: Haoshen Fan, Jie Wang, Bojin Zhuang, Shaojun Wang and Jing Xiao
	Title (SHORT): Portfolio Risk Optimisation and Diversification using Swarm Intelligence Authors: Kingshuk Mazumdar, Dongmo Zhang and Yi Guo
	Title (SHORT): Multi-peak algorithmic trading strategies using Grey Wolf Optimizer Authors: Kingshuk Mazumdar, Dongmo Zhang and Yi Guo
	Title (SHORT): UFANS: U-shaped Fully-parallel Acoustic Neural Structure for Statistical Parametric Speech Synthesis Authors: Dabiao Ma, Zhibo Su, Wenxuan Wang, Yuhao Lu and Zhen Li
	Title (SHORT): Benchmarking NLP Toolkits for Enterprise Application Authors: Weiyang Kok, Duc Nghia Pham, Yasaman Eftekharypour and Jia Pheng Ang
	Title (SHORT): Graph Representation of Road and Traffic for Autonomous Driving Authors: Jianglin Qiao, Dongmo Zhang and Dave de Jonge
Title (SHORT): CapDRL: A Deep Capsule Reinforcement Learning for Movie Recommendation Authors: Chenfei Zhao and Lan Hu	

Concurrent Session 18 Ratu Makutu 1	Theme: Prediction and other Applications (2) Time: 3:30pm - 5:00pm Session Chair: Hiroshi Uehara
	Title: Extracting Implicit Friends from Heterogeneous Information Network for Social Recommendation Authors: Zihao Ling, Yingyuan Xiao, Hongya Wang, Lei Xu and Ching-Hsien Hsu
	Title: A Case-based Reasoning Approach for Facilitating Online Discussions Authors: Wen Gu, Ahmed Moustafa, Takayuki Ito, Minjie Zhang and Chunsheng Yang
	Title: CD-ABM: Curriculum Design with Attention Branch Model for Person Re-identification Authors: Junhong Chen, Jiuchao Qian, Xiaoguang Zhu, Fei Wen, Yan Hong and Peilin Liu
	Title: Non-stationary Multivariate Time Series Prediction with Selective Recurrent Neural Networks Authors: Jiexi Liu and Songcan Chen
Concurrent Session 19 Ratu Makutu 2	Theme: Learning Models (2) Time: 3:30pm - 5:00pm Session Chair: Yi Guo
	Title: Multi-Agent Hierarchical Reinforcement Learning with Dynamic Termination Authors: Dongge Han, Wendelin Bohmer, Michael Wooldridge and Alex Rogers
	Title: A Meta-Reinforcement Learning Approach to Optimize Parameters and Hyper-parameters Simultaneously Authors: Abbas Raza Ali, Marcin Budka and Bogdan Gabrys
Title: Learning a Gaussian Process Model on the Riemannian Manifold of Non-decreasing Distribution Functions Authors: Chafik Samir, Jean-Michel Loubes, Anne-Françoise Yao and François Bachoc	

Concurrent Session 20 Pavilion 1	Theme: Knowledge Representation and Reasoning (3) Time: 3:30pm - 5:00pm Session Chair: Gabriele Kern-Isberner
	Title: Aleatoric Dynamic Epistemic Logic for Learning Agents Authors: Tim French, Andrew Gozzard and Mark Reynolds
	Title: Augmenting an Answer Set based Controlled Natural Language with Temporal Expressions Authors: Rolf Schwitter
	Title (SHORT): A Strategy-Proof Model-based Online Auction for Ad Reservation Authors: Qinya Li, Fan Wu and Guihai Chen
	Title: Game Equivalence and Bisimulation for Game Description Language Authors: Guifei Jiang, Laurent Perrussel, Dongmo Zhang, heng zhang and Yuzhi Zhang
	Title: Characterizing the Expressivity of Game Description Languages Authors: Guifei Jiang, Laurent Perrussel, Dongmo Zhang, Heng Zhang and Yuzhi Zhang
	Title: Modeling Convention Emergence by Observation with Memorization Authors: Chin-Wing Leung, Shuyue Hu and Ho-Fung Leung

Concurrent Session 21 Pavilion 2	Theme: Evolutionary Computation and Learning Models Time: 3:30pm - 5:00pm Session Chair: Kingshuk Mazumdar
	Title: Deep Feature Translation Network Guided by Combined Loss for Single Image Super-Resolution Authors: Mingyang Guan, Dandan Song and Linmi Tao
	Title: Deep Transfer Collaborative Filtering for Recommender Systems Authors: Sibao Gai, Feng Zhao, Yachen Kang, Zhengyu Chen, Donglin Wang and Ao Tang
	Title: Zero-Shot Slot Filling via Latent Question Representation and Reading Comprehension Authors: Tongtong Wu, Meng Wang, Huan Gao, Guilin Qi and Weizhuo Li
	Title: Time-Guided High-Order Attention Model of Longitudinal Heterogeneous Healthcare Data Authors: Yi Huang, Xiaoshan Yang and Changsheng Xu
	Title: Dynamic Re-ranking with Deep Features Fusion for Person Re-identification Authors: Yong Liu, Lin Shang and Andy Song
	Title: MFAD: A Multi-modality Face Anti-spoofing Dataset Authors: Bingqian Geng, Congyan Lang, Junliang Xing, Songhe Feng and Wu Jun

Concurrent Session 22 Ratu Makutu 1	Theme: Neural Networks Time: 11:00 am - 12:30 pm Session Chair: Kourosch Neshatian
	Title: An End-To-End Structure Aware Graph Convolutional Network for Modeling Multi-relational Data Authors: Binling Nie, Shouqian Sun and Dian Yu
	Title: Neural Gray-box Identification of Nonlinear Partial Differential Equations Authors: Riku Sasaki, Naoya Takeishi, Takehisa Yairi and Koichi Hori
	Title: Writing to the Hopfield Memory Via Training a Recurrent Network Authors: Han Bao, Richong Zhang, Yongyi Mao and Jinpeng Huai
	Title: Towards Efficient Convolutional Neural Networks through Low-Error Filter Saliency Estimation Authors: Zi Wang, Chengcheng Li, Xiangyang Wang and Dali Wang
	Title: Momentum acceleration of quasi-Newton Training for Neural Networks Authors: Shahrzad Mahboubi, S Indrapriyadarsini, Hiroshi Ninomiya and Hideki Asai
	Title: Multi-step-ahead cyclone intensity prediction with Bayesian neural networks Authors: Ratneel Deo and Rohitash Chandra

Concurrent Session 23 Ratu Makutu 2	Theme: Social and Information Networks (2) Time: 11:00 am - 12:30 pm Session Chair: Quan Bai
	Title: Hint-Embedding Attention-based LSTM for Aspect Identification Sentiment Analysis Authors: Murtadha Ahmed, Qun Chen, Yanyan Wang and Zhanhui Li
	Title: Subject-specific-frequency-band for motor imagery EEG signal recognition based on common spatial spectral pattern Authors: Shiu Kumar, Alok Sharma and Tatsuhiko Tsunoda
	Title: On Facilitating Large-Scale Online Discussions Authors: Daichi Shibata, Ahmed Moustafa, Takayuki Ito and Shota Suzuki
	Title: A label-based nature heuristic algorithm for dynamic community detection Authors: Chunyu Wang, Yue Deng, Xianghua Li, Yingchu Xin and Chao Gao
	Title: Multi-type Relational Data Clustering for Community Detection by exploiting content and structure information in Social Networks Authors: Gayani Tennakoon Tennakoon Mudiyansele, Khanh Luong, Wathsala Mohotti, Sharma Chakravarthy and Richi Nayak

Concurrent Session 24 Ratu Pavilion 1	Theme: Natural Language Processing (1) Time: 11:00 am - 12:30 pm Session Chair: Rolf Schwitter
	Title: HRCR: Hidden Markov-based Reinforcement to Reduce Churn in Question Answering Forums Authors: Reza Hadi Mogavi, Sujit Gujar, Xiaojuan Ma and Pan Hui
	Title: Named Entity Recognition with Homophones-noisy Data Authors: Zhicheng Liu and Gang Wu
	Title: Boosting Variational Generative Model via Condition Enhancing and Lexical-Editing Authors: Jay Tao, Wai Man Si, Jun Tao Li, Dong Yan Zhao and Rui Yan
	Title: Noise-based Adversarial Training for Enhancing Agglutinative Neural Machine Translation Authors: Yatu Ji, Hongxu Hou, Chen Junjie and Nier Wu

Concurrent Session 25 Ratu Pavilion 2	Theme: Natural Language Processing (2) Time: 11:00 am - 12:30 pm Session Chair: David Rajaratnam
	Title: Hierarchical Convolutional Attention Networks Using Joint Chinese Word Embedding for Text Classification Authors: Kaiqiang Zhang, Shupeng Wang, Binbin Li, Feng Mei and Jianyu Zhang
	Title: Document-level Named Entity Recognition with Q-Network Authors: Tingming Lu, Yaocheng Gui and Zhiqiang Gao
	Title: Constrained Relation Network for Character Detection in Scene Images Authors: Yudi Chen, Yu Zhou, Dongbao Yang and Weiping Wang
	Title: Rule-Based HierarchicalRank: An Unsupervised Approach to Visible Tag Extraction from Semi-Structured Chinese Text Authors: Jicheng Lei, Jiali Yu, Chunhui He, Chong Zhang, Bin Ge and Yiping Bao

Concurrent Session 26 Ratu Makutu 1	Theme: Complex Systems (2) Time: 1:30pm - 3:00pm Session Chair: Hui Zhang
	Title: A click Prediction Model Based on Residual Unit with Inception Module Authors: Zhiwen Ni, Xiaohu Ma, Lina Bian and Xiao Sun
	Title: Adaptive Self-Sufficient Itemset Miner for Transactional Data Streams Authors: Feiyang Tang, David Tse Jung Huang, Yun Sing Koh and Philippe Fournier-Viger
	Title (SHORT): BMF: Matrix factorization of large scale data using block based approach Authors: Prasad Bhavana and Vineet Padmanabhan
	Title: Optimized Sequence Prediction of Risk Data for Financial Institutions Authors: Ka Yee Wong, Raymond Wong and Haojie Huang
	Title: Efficient Identification of Critical Links Based on Reachability under the Presence of Time Constraint Authors: Kazumi Saito, Kouzou Ohara, Masahiro Kimura and Hiroshi Motoda
	Title: A Stochastic Gradient Method with Biased Estimation for Faster Nonconvex Optimization Authors: Jia Bi and Steve R. Gunn
Concurrent Session 27 Ratu Makutu 2	Theme: Social and Information Networks (3) Time: 1:30pm - 3:00pm Session Chair: Ahmed Moustafa
	Title (SHORT): Concept Mining in Online Forums using Self-corpus-based Augmented Text Clustering Authors: Wathsala Mohotti, Darren Lukas and Richi Nayak
	Title: Sparsity Constraint Nonnegative Tensor Factorization for Mobility Pattern Mining Authors: Thirunavukarasu Balasubramaniam, Richi Nayak and Chau Yuen
	Title: Autoencoding Binary Classifiers for Supervised Anomaly Detection Authors: Yuki Yamanaka, Tomoharu Iwata, Hiroshi Takahashi, Masanori Yamada and Sekitoshi Kanai
	Title: Predicting Scientific Impact via Heterogeneous Academic Network Embedding Authors: Chunjing Xiao, Jianing Han, Wei Fan, Senzhang Wang, Rui Huang and Yuxiang Zhang

Concurrent Session 28 Pavilion 1	Theme: Natural Language Processing (3) Time: 1:30pm - 3:00pm Session Chair: Rolf Schwitter
	Title: Training with Additional Semantic Constraints for Enhancing Neural Machine Translation Authors: Yatu Ji, Hongxu Hou, Chen Junjie and Nier Wu
	Title: Keywords-based Auxiliary Information Network for Abstractive Summarization Authors: Haihan Wang, Jinlong Li and Xuewen Chen
	Title: Automatic Acrostic Couplet Generation with Three-Stage Neural Network Pipelines Authors: Haoshen Fan, Jie Wang, Bojin Zhuang, Shaojun Wang and Jing Xiao
	Title: Effective Representation for Easy-First Dependency Parsing Authors: Zuchao Li, Jiaxun Cai and Hai Zhao
Concurrent Session 29 Pavilion 2	Theme: Natural Language Processing (4) Time: 1:30pm - 3:00pm Session Chair: David Rajaratnam
	Title: A POS Tagging Model for Vietnamese Social Media Text using BiLSTM-CRF with Rich Features Authors: Ngo Xuan Bach, Trieu Khuong Duy and Tu Minh Phuong
	Title: AutoEncoder Guided Bootstrapping of Semantic Lexicon Authors: Chenlong Hu, Mikio Nakano and Manabu Okumura
	Title: Deep Learning Method with Attention for Extreme Multi-Label Text Classification Authors: Si Chen, Liangguo Wang, Wan Li and Kun Zhang
	Title: A Modern Approach for Sign Language Interpretation using Convolutional Neural Network Authors: Pias Paul, Moh. Anwar-UI-Azim Bhuiya, Md. Ayat Ullah, Molla Nazmus Saqib, Nabeel Mohammed and Sifat Momen
Title (SHORT): An End-To-End Preprocessor Based On Adversarial Learning For Mongolian Historical Document OCR Authors: Xiangdong Su, Huali Xu, Yue Zhang, Yanke Kang, Guanglai Gao and Batusiren	

Concurrent Session 30 Ratu Makutu 1	Theme: Scheduling, Learning and other Applications Time: 3:30pm - 5:00pm Session Chair: Tim French
	Title: Explaining Deep Learning Models with Constrained Adversarial Examples Authors: Jonathan Moore, Nils Hammerla and Chris Watkins
	Title: Maximum Satisfiability Formulation for Optimal Scheduling in Overloaded Real-Time Systems Authors: Xiaojuan Liao, Hui Zhang, Miyuki Koshimura, Rong Huang and Wenxin Yu
	Title: A Hybrid GA-PSO Method for Evolving Architecture and Short Connections of Deep Convolutional Neural Networks Authors: Bin Wang, Yanan Sun, Bing Xue and Mengjie Zhang
	Title: Differential Privacy with Variant-Noise for Gaussian Processes Classification Authors: Zhili Xiong, Longyuan Li, Junchi Yan, Haiyang Wang, Hao He and Yaohui Jin
	Title: Attacking Object Detectors without Changing the Target Object Authors: Yi Huang, Adams Kong and Kwok Yan Lam
	Title (SHORT): Self-Paced Deep Forest Authors: Yiming Li, Jiawei Li, Tao Dai, Li Niu, Yong Jiang and Shutao Xia.
	Title (SHORT): Transfer Learning of Heuristics for Combinatorial Optimisation: Bin Packing and Knapsack Authors: Ayad Turky, Nasser Sabar and Andy Song.
Concurrent Session 31	Theme: Detection and Classification (1) Time: 3:30pm - 5:00pm Session Chair: MGM Khan
	Title: Pedestrian Trajectory Prediction Using A Social Pyramid Authors: Hao Xue, Du Huynh and Mark Reynolds
	Title: SAF: Semantic Attention Fusion Mechanism for Pedestrian Detection Authors: Ruizhe Yu, Shunzhou Wang, Yao Lu, Huijun Di, Lin Zhang and Lihua Lu
	Title: Heterogeneity-oriented immunization strategy on multiplex networks Authors: Yingchu Xin, Chunyu Wang, Yali Cui, Chao Gao and Xianghua Li

Concurrent Session 32 Pavilion 1	Theme: Knowledge Handling: Recognition, Retrieval and Transfer Session Chair: Kingshuk Mazumdar
	Title: Knowledge-aware and Retrieval-based Models for Distantly Supervised Relation Extraction Authors: Xuemiao Zhang, Kejun Deng, Leilei Zhang, Zhouxing Tan and Junfei Liu
	Title: Two-stage Entity Alignment: Combining Hybrid Knowledge Graph Embedding with Similarity-based Relation Alignment Authors: Tingting Jiang, Chenyang Bu, Yi Zhu and Xindong Wu
	Title: A Neural User Preference Modeling Framework for Recommendation based on Knowledge Graph Authors: Guiming Zhu, Chenzhong Bin, Tianlong Gu, Liang Chang, Yanpeng Sun, Wei Chen and Zhonghao Jia
	Title: A Better Understanding of the Interaction between Users and Items by Knowledge Graph Learning for Temporal Recommendation Authors: Chunjing Xiao, Cong Xie, Shuyan Cao, Yuxiang Zhang, Wei Fan and Hongjun Heng
	Title (SHORT): Jointing Knowledge Graph and Neural Network for Top- N Recommendation Authors: Wei Chen, Liang Chang, Chenzhong Bin, Tianlong Gu and Zhonghao Jia
Concurrent Session 33 Pavilion 2	Theme: Detection and Classification (2) Time: 3:30pm - 5:00pm Session Chair: Quan Bai
	Title: Bayesian Classifier Modeling for Dirty Data Authors: Hongya Wang, Weidong Cheng, Kaiyan Guo, Yingyuan Xiao and Zhenyu Liu
	Title: D_dNet65- R-CNN: Object Detection Model Fusing Deep Dilated Convolutions and Light-weight Networks Authors: Yu Quan, Zhixin Li, Fengqi Zhang and Canlong Zhang
	Title: Bi-Directional Features Reuse Network for Salient Object Detection Authors: Fengwei Jia, Xuan Wang, Jian Guan, Shuhan Qi, Qing Liao and Huale Li
	Title: General Interaction-aware Neural Network for Action Recognition Authors: Jialin Gao, Guanshuo Wang, Jiani Li, Yufeng Yuan and Xi Zhou
	Title: Image Retrieval with Similar Object Detection and Local Similarity to Detected Objects Authors: Sidra Hanif, Chao Li, Anis Alazzawe and Dr. Longin Jan Latecki
Title (SHORT): Estimating difficulty score of visual search in images for semi-supervised object detection Authors: Dongliang Ma, Haipeng Zhang and Jun Sun.	